LIST OF MATERIAL

QUANTITIES ARE FOR ONE SHIP

PIECE No.	No. REQ'D.	DESCRIPTION	MATERIAL	N. D. SPEC.	REMARKS	PANEL
1	4	SPEED CONE – TYPE B, SMALL BRIGHT YELLOW	10 OZ. TYPE III COTTON CANVAS	23 C 3	ORDERED ON CANVAS LIST, REF. 21 ALTITUDE 20" : DIA. 16"	2
2	2	ANCHOR & NOT UNDER COMMAND BALL			FURNISHED BY GOVERNMENT	5
3	1	BLOCK, METAL, 6" SINGLE, RIG #2, NO BECKET			ORDERED ON BLOCK LIST, REF. 7	5

Ⓑ

GENERAL NOTES

1. THIS DRAWING SUPERSEDES DR. ENTITLED – PROPOSED ARRANGEMENT OF FOREMAST & RIGGING – AVP 1013 – 1801 – 1
2. INSULATORS TO BE FITTED IN STANDING RIGGING WHERE INDICATED.
3. RIGGING LOOPS AROUND THE INSULATORS SHALL BE THOROUGHLY PAINTED (PREFERABLE DIPPED BEFORE INSTALLATION) WITH ALUMINUM PAINT FORMULA # 49 TO PREVENT CORROSION. THE INSULATORS SHALL BE WIPED CLEAN AND MUST NOT BE PAINTED OR COATED IN ANY WAY.
4. NO PARCELLING, SEIZING OR TAR SHOULD BE USED ON RIGGING, WHERE IT BEARS AGAINST INSULATORS.
5. IRON WIRE SEIZING SHALL BE EMPLOYED OVER SPLICES TO SECURE INSULATORS IN RIGGING.
6. ALL WIRE ROPE WHERE SPLICED TO BE WORMED, PARCELLED & SERVED WITH MARLIN.
7. INSULATORS FOR RIGGING TO BE IN ACCORDANCE WITH N.D. SPEC. 16-I-2b.
8. ALL WIRE ROPE FOR STANDING RIGGING & ANTENNA PENDANTS TO BE 6-19 CONSTRUCTION – HIGH GRADE PLOW STEEL & GALV.
9. ALL HALYARDS FOR JACK STAFF AND FLAG STAFF ON MAST, SIGNAL FLAGS, SPEED CONES & ANCHOR BALLS TO BE FURNISHED BY GOV'T AND LISTED ON ROPE LIST
10. BLINKER, MAST-HEAD & RANGE LIGHT TO BE SCREENED SO THAT LIGHT DOES NOT SHOW DOWN ON SHIPS DECK.
11. ALL WOOD & METAL BLOCKS TO BE FURNISHED BY GOV'T AND LISTED ON BLOCK LIST
12. ALL LIGHTS ORDERED BY ELECTRICAL DEPT.
13. FOR DETAILS & BILL OF MATERIALS SEE PLANS № 1701-1, 1702-5, 1702-6, 1801-7, 1801-8, 1604-12, 2402-1, 1702-7.
14. FOR BOATSWAINS CHAIRS & PAINTER STAGES SEE PLAN № 1205-6
15. LENGTHS OF ALL STANDING & RUNNING RIGGING TO BE CHECKED FROM WORK.
16. ANGLES & LOCATION OF ALL PADS TO BE CHECKED FROM WORK BY RIGGER FOR INTERFERENCES BEFORE WELDING IN PLACE.
17. ALL RIGGING SCREWS TO BE TESTED TO 1½ TIMES THE MAX. SAFE WORKING LOAD OF WIRE ROPE – U.S.N. SPEC. 22-R-3 FOR WHICH THE RIGGING SCREW IS DESIGNED. TEST LOADS ARE AS FOLLOWS.

		TEST LOAD
RIGGING SCREW FOR 3/8" DIA. H.G.P.S WIRE ROPE – NOM. B.S.	2835#	4262#
" " " 7/16" DIA. " " "	3780#	5670#
" " " 9/16" DIA. " " "	6100#	9150#
" " " 3/4" DIA. " " "	10650#	16025#

18. ONE INSULATOR LOCATED NEAR THE TOP OF EACH MEMBER OF STANDING RIGGING – AND LOWER ENDS TO BE EFFICIENTLY & SECURELY GROUNDED.
19. FOR GROUNDING OF STAYS SEE DR. No. 1801-8
20. MAST & ALL STEEL FITTINGS TO BE GALVANIZED. GALVANIZING TO BE DONE AFTER ASSEMBLY WHERE EVER POSSIBLE.

THIS PLAN APPLICABLE TO AVP 29 30 ONLY

(A5)

REFERENCES CONT.

REF №	P.S. №	BU. C&R NO.	PLAN TITLE, LETTER № & ETC.
33	AVP 1213 1702-13	414818	BRACKETS FOR VERTICAL FIGHTING LIGHTS
34	AVP 1013 S52-27		SMOKE STACK GUYS
35	AVP 1013 1701-G2	414867	BOAT CRANE (20,000 LBS) GEN. ARR'G'T.
36	AVP 1013 6405-3	414836	SUPPORT FOR RANGE LIGHT
37			
38	AVP 1013 1702-14	414868	MAIN TOPMAST DETAILS
39	AS-2932 7108-H1		TEMPORARY FIRE CONTROL STATION ARR'G'M'T.
40	ASSOC. NO. AVP 2932-S67-E-12	423709	ANTENNA TRUNKS FOR R.B.H. & SENSE ANTENNAS
41	ASSOC. NO. AVP 2932-S67-E-7		TRANSMITTING AND RECEIVING ANTENNAS
42	AVP 2932 6700-H1		HOMING ANTENNA PLATFORM ON POLE MAST.

REFERENCES

REF. NO.	P.S. NO. AVP 1013	BU. C.& R. NO.	PLAN TITLE, LETTER NO. & ETC.
1			
2	1702-3	315217	POLEMAST STRESS DIAGRAM. SHEET #1
3			
4	1702-2	315216	JACK & ENSIGN STAFF ARRANGEMENT & DETAILS.
5	1801-2	315221	ROPE LIST – MANILA.
6	1801-3	315222	" " " WIRE.
7	1801-4	315223	BLOCK LIST.
8	1801-8	315227	SHROUDS, STAYS & MISCELLANEOUS DETAILS
9	1702-5	315971	POLEMAST ASSEMBLY & DETAILS – SHEET № 1
10	1702-6	315972	" " " " – SHEET № 2
11	1801-11	315950	RIGGING SCREWS.
12	1801-9	315228	RIGGING FITTINGS, ANTENNA OUTRIGGERS, LEAD-IN PADS, & BRACKET FOR CORRECTOR LOOP.
14			
15	1604-12	315167	LADDERS FOR POLEMAST.
16	1702-8	315976	POLEMAST – STRESS DIAGRAM. SHEET № 2
17	1702-9	315977	STRESS ANALYSIS OF POLEMAST & RIGGING
18			GENERAL SPECIFICATION – SECTION P-1 PAGE 115
			SECTION Y-5 PG'S 284 & 285 & SEC Y-13 PG'S 292 & 293
19			DETAIL SPEC'S. – SECTION P-1 – PAGE 115
			SECTION Y-5 PAGE 326 & SECTION Y-13 PG 333
20	BU. C.& R.	LETTER	AVP 10 TO 13/S18-1(DS) OF 7th FEB. 1940
21	1802-1	315230	CANVAS LIST.
22	6405-1	315628	SIDE LIGHT BOX SUPPORT
23	AVP10-S65	934 ALT. 0	WIND DIRECTION & INTENSITY TRANSMITTER.
24	1702-7	315973	RIGGING & MISCELLANEOUS DETAILS
25	AVP 10-S67-7 ALT. 0		TRANS. & RECEIVING ANTENNAS – GENERAL ARR'G'T.
26	7002-1	315664	LOCATION & SUPPORTS FOR SIGNAL FLAG BOARD & SPEED FLAG LOCKER
28			
29	6405-2	315682	MOUNTING BRACKET FOR SCREENED SPEED LIGHT
30	1201-1	315090	BOW CHOCK.
31	1702-10	414779	MODIF. TO FOREMAST TO SUIT RADAR EQUIP'T.

ALTERATIONS

MARK	PANEL	MADE BY	CH'K'D. BY	ALTERATION	APP'D.	DATE
Ⓐ 11	8'	RGJ	A.R.J.	INCLINATION OF BATTLE GAFF CHANGED & BRACE PLACED ON UNDERSIDE		
	2² 5'	RGJ	A.R.J.	SIDE LIGHTS RAISED		
	2' 9'	RGJ	A.R.J.	ST'BD SPEED FLAG LOCKER DELETED & PORT S.F.L. RELOCATED INBOARD.		
	2' 5'	RGJ	A.R.J.	ABSENCE & OVERBOARD LIGHTS DELETED & REPLACED WITH FIGHTING LIGHTS (RED)		
	7'	RGJ	A.R.J.	VERT. DISTANCE BETWEEN MASTHEAD LIGHT & RANGE CORRECTED TO 15'-10 7/8"		
	5'	RGJ	A.R.J.	PAD EYE FOR 6" BLOCK CONNECTION ON FOREMAST DELETED & SAFETY LINK CONNECTION ARRANGED SIMILAR TO ONE ON AFTERSIDE OF MAST		
	7'	RGJ	A.R.J.	GANGWAY LIGHT AND SIDE LADDER ADDED.		
				ALTERATIONS IN ACCORDANCE WITH BU. C.& R. & BU. ENG. LETTER AVP10 TO 13/S18(4-1-Ds-6/1) OF MAY 11th 1940	N	9/25/40
Ⓑ 33	5'	RGJ	A.R.J.	LIGHTNING ARRESTOR & ANTENNA TRANSFORMER SHOWN ON FOREMAST – ABOVE CROWS NEST.		
	1², 5', 6'	RGJ	A.R.J.	PCS. 1, 2, & 3 ADDED.		
	1'	RGJ	A.R.J.	JOB ORDERS, WTS, ETC., ADDED.		
	5'	RGJ	A.R.J.	RADIO DIRECTION FINDER LOOP ANTENNA RELOCATED. CORRECTOR STAFF ALTERED AND BRACKET ADDED.		
	6, 9, 10	RGJ	A.R.J.	FIRE CONTROL STATION OUTLINE, SEARCHLIGHT TOWER, AND DECK HOUSE OUTLINE ALTERED. SEARCHLIGHT PLATFORMS ADDED IN PLAN VIEW OF PILOT HOUSE.		
	6, 10'	RGJ	A.R.J.	OUTLINE OF 36" SEARCHLIGHT ADDED.		
	1, 2, 4, 5³, 6, 8, 9², 10³	RGJ	A.R.J.	TRANSMITTING & RECEIVING ANTENNAS AND LEAD INS ADDED TO CONFORM WITH REF. 25.		
	1²	RGJ	A.R.J.	REF. 12 TITLE & NO. CHANGED. REFERENCES 21 TO 28 INCL. ADDED.		
	2', 5'	RGJ	A.R.J.	SIZE OF LOWER MAST SECTION CHANGED FROM 11" O.D. × .340" WALL THICKNESS TO 10¾" O.D. × .365" WALL TO AGREE WITH MATERIAL FURNISHED UNDER CONTRACT.	N	9/25/40
Ⓒ 1	5'	RGJ	A.R.J.	RADIO DIRECTION FINDER CORRECTOR STAFF ALTERED TO SUIT DEVELOPMENT OF DETAIL PLAN.	N	12/13/40
Ⓓ 3	7'	RGJ		GANGWAY LIGHTS, TYPE I, REMOVED TO COMPLY WITH BU. DWG. 9-S-5067-L, ALT. 1.		
	1', 7'	RGJ		REF. 29 AND REFERENCE ADDED FOR SCREENED SPEED LIGHT	N	1/14/41
Ⓔ 2	3', 1'	N.R.R.		EYE PADS FOR JACK STAFF, DRESSING LINE & ANTENNA RELOCATED ON BOW CHOCK TO SUIT REMOVAL OF BULWARK. REF. #30 ADDED. AUTHORITY: BU. SHIPS DESPATCH 022239 OF 2 MAY 1941. (P.S. ALT.)		
Ⓕ 8	2⁴ 5² 6²	N.R.R.	HLP	INSULATORS ADDED IN UPPER & LOWER FORESTAYS, SHROUDS & BACKSTAYS, & IN AFT SMOKE PIPE GUYS IN ACCORDANCE WITH RADIO MATERIAL OFFICER'S MEMORANDUM No 21-R(M-4) OF 14 AUGUST 1941. (P.S. ALT.)		
Ⓖ 4	1' 2' 5' 9'		A.P.D.	MODIFICATION TO FOREMAST TO SUIT RADAR EQUIPMENT – IN ACCORDANCE WITH BUSHIPS LTR AVP 13/S24(S15) JUNE 6, 1941 & C-AVP/67/36(3633) AUG 6, 1941. (P.S. ALT.)		
Ⓗ 4	1' 4' 5²			REF #32 ADDED, RECEIVING ANTENNAS & D/F SENSE ANTENNA RELOCATED PER REF #32. (P.S. ALT.)		
Ⓘ 7	1' 2³ 5³		2/18/42	VERTICAL FIGHTING LIGHTS INDICATED (AVP 1213 ONLY). REF 33 ADDED. (P.S. ALT.)		
Ⓙ 3	4' 5²	HLP		CORRECTOR STAFF RELOCATED TO AGREE WITH NEW PLAN OF REF 28, SENSE-BALANCE ANTENNA RELOCATED & RECEIVING ANTENNAS REPLACED PER ALT #5 OF REF 25. (P.S. ALT.)		
Ⓚ	THRU OUT PLAN	F.D.C.		SHROUDS, STAYS, GUYS, HALYARDS, DRESSING LINES, ANTENNAS & OTHER MISC. RIGGING ALTERED & RELOCATED, PADS & FITTINGS TO SUIT. THESE ALT. DUE TO INSTALLATION OF 20 M/M GUNS, 5" GUNS AFT, NEW 20,000 LB. BOAT HANDLING CRANE & OTHER ADDITIONAL OR RELOCATED HULL FITTINGS REF. & NOTES MODIFIED TO SUIT.		
(A1) 9	2' 4' 5³ 8' 9² 10'		C.J.M. 11/6/42	DELETED ALL DRESSING LINES & DOWNHAULS, BLOCKS & CLEATS FOR SAME ~ AUTHORITY BU. SHIPS LET. S18-1(3633) EN 28/A2-11 OF 17th APRIL 1942 & SOS #7 OF 2nd MAY 1942. ADDED FIRE CONTROL STATION TO CONFORM WITH A.S. PLAN 2932-7108-H1 – DELETED ENSIGN STAFF & REPLACED WITH STERN-LIGHT STANCHION TO AGREE WITH PLAN AVP 1013-1702-2		
	THRU-OUT			DELETED REF #27 ADDED REF # 40 & 41. PLAN BROUGHT UP TO DATE	11/26/42	J. SOSSE
(A2) 2	2' 6'	7 L.B.	M.G.W. 12-2-42	TOWING, MAN OVERBOARD & BREAKDOWN LIGHTS & FITTINGS DELETED. AUTH. BU. SHIPS LTR. S64-5(3660A) EN 28/A2-11 OF NOV. 13, 1942.	12/10/42	J.
(A3) 2	5' 2'	F.D.C.	C.J.M. 1/11/43	ADDED HOMING ANTENNA. YARD ARM GUY RELOCATED. ADDED REF. # 42	1/23/43	J.
(A4)	4³ 5' 9'	F.D.C.	C.J.M. 2/17/43	RELOCATED PADS OF LOWER BACKSTAY, LOWER FORESTAY & UPPER FORESTAY DUE TO INTERFERENCES ON SHIP.	2/26/43	J.
(A5)	THRUOUT	I.L.O.	10/15/43	CHANGED APPLICABILITY OF PLAN	3/15/44	J.

HULL CORRECTED WORKING PLAN

JOB ORDERS, WEIGHTS, ETC.

DESCRIPTION	JOB ORDER No.	BILL OF MAT'L. No.	COST GROUP	WEIGHT GROUP	CALC. WEIGHT
CANVAS & BUNTING	1802-01-3	AVP 1013-1801-1A	43 45	49	24.0 LBS.
BLOCKS	1801-02-3	AVP 1013-1801-1B	39	40c	10.0 "
				TOTAL	34.#

FUSION WELDING SYMBOLS

TYPE OF WELD: BEAD, FILLET, PLUG OR SLOT, GROOVE (SQUARE, V, BEVEL, U, J), FLUSH, WELD ALL AROUND, FIELD WELD

IN PLAN OR ELEVATION THUS: (WITH DIMENSIONS AS REQUIRED)

NEAR SIDE — FAR SIDE — BOTH SIDES

EXTENT OF WELDS SEE NOTE 4.

WELDS IN SECTION OR END VIEW: SEE NOTES 5 AND 6

1. NEAR, FAR AND BOTH SIDES LOCATIONS REFER TO NEAREST MEMBER PARALLEL TO PLANE OF DRAWING AND NOT TO OTHERS FARTHER BEHIND.
2. ALL WELDS ARE CONTINUOUS & OF STANDARD PROPORTIONS UNLESS OTHERWISE SHOWN. THE ROOT OPENINGS OF ALL GROOVED WELDS MAY BE SHOWN.
3. WELDS ON BOTH SIDES ARE OF SAME SIZE UNLESS OTHERWISE SHOWN.
4. SYMBOLS GOVERN TO BREAK IN CONTINUITY OF STRUCTURE OR TO EXTENT OF HATCHING OR DIMENSION LINES.
5. ON SECTION OR END VIEWS ONLY, THE SIDE TO WHICH ARROW POINTS IS CONSIDERED NEAR SIDE WHEN WELD IS NOT DRAWN.
6. WHEN WELDS ARE DRAWN IN SECTION OR END VIEWS, SIZE ONLY NEED BE GIVEN.
7. IN JOINTS IN WHICH ONE MEMBER ONLY IS TO BE GROOVED, ARROWS POINT TO THAT MEMBER.

PRINTS ISSUED

DATE	X11	X11L	X12	X23	X31	X31 ORD.	X38	X41	X51	X51R		X56	X61	X68	X71	X74	X94	060	043	SCH 043	042H	042M	NCO	S.F.	BOSTON	0425
10-30-40	4	2	4		2	1	2		3				1			1			1		2	1	1		1	1
12-13-40	4	2	4		2	1	1		3				1			1			1		2	1	1		1	1
1-14-41	4	2	4		2	1	2		3	1			1			1			1		2	1	1		1	1

PRINTS ISSUED TO / DATE	SUP. OF SHIPS	DRAWING OFFICE	SHIPYARD OFFICE	Y.S. HULL SUPT.	MOLD LOFT	PLATE SHOP	SHIPFITTER	MACHINE SHOP	PIPE SHOP	JOINER SHOP	ELECTRIC SHOP	C.E.	R.E.	Y.S.	I.Z.	ASSOCIATED SHIPBUILDERS
10-29-42					1							1	1	2	2	
11-7-42	1				1							1	1	2	1	
11-28-42	1	1		3								≢	1		1	
12-7-42		1			1								1	2	1	
12-13-42	1	1		4									1		2	
12-16-42				3												
1-26-43	1	1		7												
2-17-43		1		10								2	1			
2-27-43	1														1	
11-23-43												1				
3-20-44	1														1	

AVP 32 U.S.S.	YAKUTAT
AVP 31 U.S.S.	UNIMAK
AVP 30 U.S.S.	SAN PABLO
AVP 29 U.S.S.	ROCKAWAY
VESSEL	

FORWARDED TO { BU. / BU. } IN. LET. NO. DATED

APPROVED BY { BU. C.& R. / BU. ENG. } IN. LET. NO. AVP 10-13/S18(4-1-Ds-6/1) DATED MAY 11th 1940

PUGET SOUND NAVY YARD

INDUSTRIAL DEPARTMENT

SEAPLANE TENDERS (SMALL)

~~U.S.S. BARNEGAT – AVP 10.~~ ~~U.S.S. BISCAYNE – AVP 11.~~
~~U.S.S. CASCO – AVP 12.~~ ~~U.S.S. MACKINAC – AVP 13.~~

GENERAL ARRANGEMENT OF MASTS & RIGGING

SCALE ¼" = 1 FT. PLAN NO. AVP 1013 – 1801 – 1

DELINEATOR / TRACER: A. R. JAYNE
CHIEF DR'MN: J. Bohaun
CHECKER
GROUP LEADER: A. Cass
SUPERVISOR: A. Cass 3/28/40
APPROVED
W. F. Nichols
DESIGN SUPERINTENDENT

DATE 3-29-40
R S Hitchcock
PLANNING OFFICER

APPROVED FOR AVP 29 to 32 INCL.
11-26-42
E M Ragsdale
for SUPERVISOR OF SHIPBUILDING

Ⓑ

AVP29/S18-1
17-2

ME8
2
4/15/41

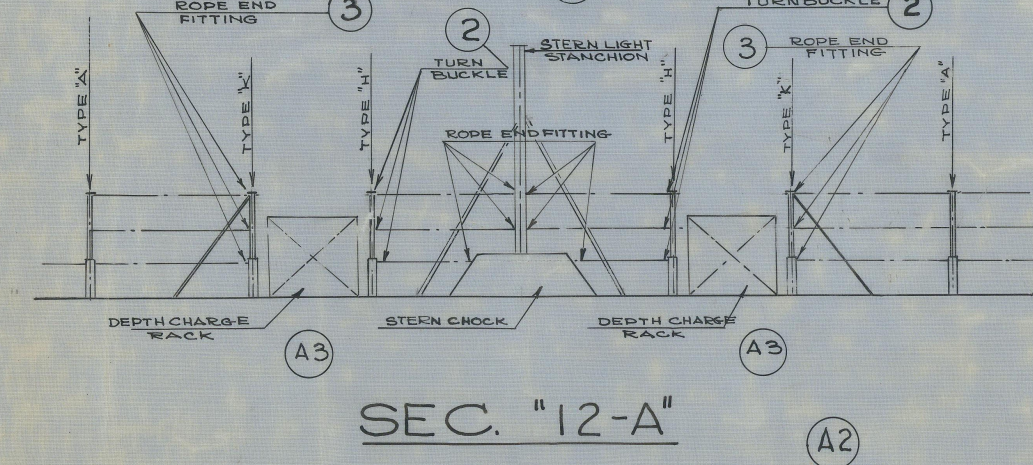
BASIC BU. C. & R. No. 315220 {ALT-10 / A-5}

~~M.F. FR. 138.~~ – 7R-146

AVP29-32/S1-2
FEB 23 45

INDEXED

(1) Vandyke
(2) Blueprint



SEC "12-A"

JACK STAFF
℄ SHIP
TANGENCY LINE.

PLAN OF MAIN DECK

JACK STAFF REF. 14
3 ROPE END FITTING
TYPE "A" P&S
BOW CHOCK REF. 27
1 1/2" ABT.
FR A
FR 3 3/4

OUTBOARD ELEVATION

GENERAL NOTES

1 ALL STANCHIONS TO STAND VERTICAL.
2 ALL DUPLICATE STANCHIONS TO BE INTERCHANGABLE.
3 ALL HOOKS ON STANCHIONS FOR LIFELINES TO POINT FOR'D.
4 CARE TO BE TAKEN THAT WELDING IS KEPT CLEAR OF SEAMS & RIVETING.
5 PIECE NOS ON THIS DRWG. DO NOT INCLUDE THOSE FOR STANCHIONS, BAILS & BRACES WHICH ARE DENOTED BY TYPES ONLY. - FOR PIECE NOS OF THE FOREGOING SEE TYPE DWG. AVP 1213-1202-11
6 ALL STANCHIONS, ETC., TO BE GALVANIZED AFTER FABRICATION & ASSEMBLY.
7 LIFELINE STANCHIONS & THEIR RESPECTIVE SUPPORTS SHALL BE STAMPED WITH IDENTICAL NUMBERS TO FACILITATE MATCHING. - THE DIE PUNCH SHALL HAVE FIGURES ABOUT 3/8" HIGH & THE NUMBERS USED SHALL BE CONSECUTIVE FROM FORWARD TO AFT, USING EVEN NUMBERS ON PORT SIDE & ODD NUMBERS ON STARB'D. SIDE.
8 ALL GRAB RAIL SUPPORTS ARE TO BE SPACED EQUALLY WHEREVER POSSIBLE. - MAX. SPACING TO BE 3'-6" ℄ TO ℄
9
10 LIFELINES TO BE PARCELLED, SERVED & COVERED WITH LEATHER FOR 6" IN WAY OF SUPPORTS.
11
12 FOR INSTRUCTIONS FOR MAKING UP PHOSPHOR BRONZE WIRE ROPE WITH COMPOSITION SOCKETS & FOR TESTING SAME SEE TEST MEMORANDA AVP 1013-0300-1

REFERENCES

P.S. Nº AVP1213	REF. Nº	P.S. Nº AVP1013-	BU. C&R Nº	PLAN TITLE, LETTER Nº, ETC.
	1			GENERAL SPECS. - SEC. Y-4 - PAGE 283
	2			DETAIL SPECS. - SEC. Y-4 - PAGE 323
1601-7	3		316080	COMP'T. & ACCESS - MAIN & SUPERSTR. DKS.
	4	1106-1	315039	MAIN DK. PLATING - STEM TO FR 55
	5	1106-2	315040	" " " - FR. 55 TO FR. 105
	6	1106-3	315041	" " " - FR. 105 TO STERN
	7	1201-2	315091	12" CLOSED CHOCKS
	8	1201-9	315004	STERN ROLLER CHOCK - GEN. ARR.
1202-11	9		414820	LIFELINE & RAIL STANCHIONS - MAIN DK. - TYPES & DETAILS.
	10			
1202-13	11		414822	LIFELINE & RAIL STANCHIONS - SUPER DK. - GEN. ARR.
	12			
	13			
	14	1702-2	315216	JACK & ENSIGN STAFFS - ARR. & DETAILS.
	15	2601-1	315253	ANCHOR HANDLING - GEN. ARR.
	16	1604-5	315160	SIDE LADDER - GEN. ARR.
	17	3604-1	315450	GARBAGE CAN RACKS
	18			
	19	1204-2	315111	REVERSIBLE EYE BOLTS & SOCKETS
	20	4501-8	315487	300 GAL. SERVICE OIL TANK - AVIAT. LUBRICA. OIL SYST.
	21	1205-2	315113	TOGGLE PINS
	22			TURNBUCKLES & ROPE END FITTINGS FOR 7/16" W. ROPE
	23	1604-7	315162	INCLINED LADDERS - ARRG'T.
	24	1604-2	315157	VERTICAL LADDERS
Ⓐ2				
	26	1801-3	315222	WIRE ROPE LIST
	27	1201-1	315090	BOW CHOCK
Ⓐ1	28	8104-1	414890A	SPLINTER PROTECTION BULWARKS IN WAY OF TORPEDO STOWAGE FR'S. 41-72.

ALTERATION SYMBOL	PIECE NO.	NO. REQD.	DESCRIPTION	MATERIAL	N.D. SPEC.	DET DWG NO. & DET. NO.	REMARKS
Ⓐ	1	1000 FT.	LIFELINE 7/16" WIRE ROPE 6×19 CONSTRUC.	PHOS. BRONZE	22R3		ORDERED ON WIRE ROPE LIST - CUT TO SUIT
Ⓐ3 Ⓐ2	2	40	TURNBUCKLE - FOR 7/16 W.R.			C&R Nº 315719	COMMERCIAL ITEM 3 SPARES
Ⓐ3 Ⓐ2	3	40	ROPE-END FITTING - FOR 7/16 W.R.				COMMERCIAL ITEM 3 SPARES
	4	135	RAIL - 1" STD. PIPE - GALV.	STL. GALV. CLASS II	44P10	1202-11 7-B	CUT TO SUIT
	5	270	RAIL - 3/4" " " "	"	"	"	" " "
	6	46 FT	GRAB ROD - 3/4" " " "	"	"	1202-11 7-A	" " "
Ⓐ2	7	21	SUPPORT - 1/2" " " "	"	"	"	ABT. 2 3/4" LG.
	8	12	END CAP - 5# PL	STL. BLK. GR. M	48S5	"	
	9						
	10						
Ⓐ2 Ⓐ	11	40	SOCKET - 2" STD. PIPE - L=~~15~~ 12"	STL. GALV. CLASS II	44P10	1202-11 5-A	
	12	80	BUSHING - 2 1/8 O.D. × 1.9 I.D. - L=1 1/2"	COMP Nº	46B6	"	PUSH FIT IN SOCKET
	13	160	F.H. MACH SCREW - 1/4" × 20 × NC2	BRASS	42S5		
	14						
Ⓐ2 Ⓐ	15	~~99~~ 102	HOOK - 1/2" D. BAR - L=4 1/2"	STL. BLK. GR. M	46S1	1202-11 5-D	GALV. AFTER ASSEMBLY
	16	87	STAPLE (SINGLE) - " " - L=4 3/4"	"	"	1202-11 5-B	" " "
	17	12	STAPLE (DOUBLE) - " " - L=6"	"	"	1202-11 4-B	" " "
	18	14	STAPLE (FOR STRUCT'RS) - " " - L=4 1/4"	"	"	1202-11 5-C	" " "
	19						
	20						
Ⓐ	21	40	STANCHION - 1 1/2" STD. PIPE - L=2'-10 1/2"	STL. BLK. CLASS II	44P10	1202-11 PANEL 2	GALV. AFTER ASSEMBLY
	~~22~~	~~2~~	~~" " L=2'-11 1/2"~~	~~"~~	~~"~~	~~1202-11 PANEL 3~~	~~" " "~~
	~~23~~	~~2~~	~~" " L=3'-2"~~	~~"~~	~~"~~	~~"~~	~~" " "~~
	~~24~~	~~1~~	~~" " L=20 1/2"~~	~~"~~	~~"~~	~~1202-11 PANEL 4~~	~~" " "~~
	25	2	" - 2 1/2" STD. PIPE - L=7'-6"	STL. GALV. CLASS II	"	"	
	26						
Ⓐ	27	40	CAP 5# PL - 2 3/16" D.	STL. BLK. GR. M	48S5	1202-11 4-C	GALV. AFTER ASSEMBLY
	28	40	STOP 1/4" × 1/4" F.B. - L=3/4"	"	46S1	1202-11 6-H	" " "
	29	40	GUIDE FOR TOGG. PIN - 1/2" STD. PIPE - L=1 3/4"	STL. BLK. CLASS II	44P10	1202-11 6-E	" " "
	30	16	LUG 3/16 × 2" F.B. - L=5 3/4"	STL. BLK. GR. M	46S1	1202-11 6-A	GALV. AFTER ASSEMBLY
	~~31~~	~~6~~	~~" 3/16 × 2 1/4" F.B. - L=6 1/2"~~	~~"~~	~~"~~	~~1202-11 6-D~~	~~" " "~~
	32						
	33						
Ⓐ	~~34~~	~~2~~	~~SOCKET FOR WOOD DECK - COMPLETE~~			~~1204-2~~	~~Pcs. 1,2,3,4,5&6~~
	~~35~~	~~2~~	~~REVERSIBLE EYE PAD - "~~			~~"~~	~~Pcs. 20&21 - ASS'MLY. "B"~~
	36						
Ⓐ	37	4	BRACE - 1" STD. PIPE L=4'-3" ABT	STL. BLK. CLASS II	44P10	1202-11 PANEL-2	GALV. AFTER FABRICAT.
	38	4	" - 1" " " L=4'-0" "	"	"	1202-11 PANEL-3	" " "
	~~39~~	~~2~~	~~" - 1" " " L=4'-0 "~~	~~"~~	~~"~~	~~"~~	~~" " "~~
	~~40~~	~~2~~	~~" - 1 1/4" " " L=7'-0 "~~	~~"~~	~~"~~	~~"~~	~~" " "~~
	~~41~~	~~2~~	~~" 1 1/4 " " L=7'-0" "~~	~~"~~	~~"~~	~~"~~	
	42	16	TOGGLE PIN - COMPLETE - 1/2" D. - L=1 3/4"			1205-2	PCS. 1,2,3,7,8,&9
	43	40	" " - 1/2" D. - L=3 1/4"			"	PCS. 1,2,3,7,8,&9
	~~44~~	~~2~~	~~" " - 3/8" D. L=2 1/8"~~			~~"~~	~~PCS. 1,2,3,4,5,&6~~
	~~45~~	~~2~~	~~PADEYE 3/8" × 2" F.B. - L=2 1/4"~~	~~STL. BLK. GR. M.~~	~~46S1~~	~~1202-11 6-B~~	~~GALV. AFTER ASSEMBLY~~
	~~46~~	~~2~~	~~" 1/4" × 2" " L=2 3/4"~~	~~"~~	~~"~~	~~1202-11 6-C~~	~~" " "~~
	~~47~~	~~4~~	~~BOSS 15# PL - 1 1/2" D.~~	~~"~~	~~48S5~~	~~"~~	~~" " "~~
	~~48~~	~~2~~	~~HINGE PAD (UPPER) - 1 1/2" × 1/2" F.B.~~	~~STL. BLK. GR. M~~	~~46S1~~	~~1202-11 4-A~~	~~GALV. AFTER ASSEMBLY~~
	~~49~~	~~2~~	~~HINGE PAD (LOWER) - DIE Nº 3941~~	~~STL. FORG.~~	~~46S29~~	~~"~~	~~" " "~~
	~~50~~	~~4~~	~~CAP - 5# PL - SEGMENT OF CIRC'L. 1.9" D.~~	~~STL. BLK GR. M~~	~~48S5~~	~~"~~	~~" " "~~
	~~51~~	~~2~~	~~RIVET PIN - 3/8" D. - L=1 7/8"~~	~~G.R.S. GR. 1~~	~~46S18~~	~~"~~	
	52						
Ⓐ	53	460	LASHING STAPLE 1/4" D. - L=2"	STL. GALV. GR. M	46S1	1202-11 8-A	
	54	950 FT.	12 THD. TARRED RATLINE	HEMP	TC 621	1202-11 7-C	
	55	5300 FT.	6 THD. " "	"	"	"	
	56	AS. REQ.	HAMBROLINE LASHING MARLINE	"	"	"	
Ⓐ	~~57~~	~~2~~	~~TOGGLE PIN - COMPLETE 1/2" D L=2 1/8"~~			~~1205-2~~	~~Pcs. 1,2,3,7,8&9~~
	58						
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ALTERATIONS

MARK	PANEL	MADE BY	CH'K'D. BY	ALTERATION	APP'D.	DATE
Ⓐ	THRU-OUT PLAN	F.D.C.	C.J.M. 6/30/42	LIFE LINES & RAILS ALTERED TO SUIT INSTALLATION OF TORPEDO SPLINTER SHIELD, DEPTH CHARGE RACKS & 5"/38 CAL GUNS. THIS PLAN SUPERSEDES PLAN AVP. 1011-1202-1	E.H.	7/11/42
Ⓐ1	4'	B.H.B.		ADDED REFERENCE #28		
Ⓐ2	3⁴ 11³	F.D.C.	C.J.M. 7/29/42	CHANGED ENSIGN STAFF TO STERN LIGHT STANCHION AUTHORITY BUSHIPS LET. AVP 23/32/L4 (512) DATED 15TH MAY 1942 ADDED ROPE END FITTINGS AT STERN LIGHT STANCHION CHANGED LIST OF MATERIAL PC. 2 & 3 FROM 31 TO 38 & PC. #15 FROM 99 TO 102. ADDED LGTH OF PC. 7 & CHANGED LGTH OF PC #11 REMOVED GASOLINE STORAGE DRUM RACK FROM FANTAIL - AUTHORITY SAME BUSHIPS LETTER AS ABOVE	E.H.	8/13/42
Ⓐ3	3² 11² 12³	F.D.C.	C.J.M. 11/5/42	REARRANGED STANCHIONS ON AFT. MAIN DECK AROUND DEPTH CHARGE RACKS TO CONFORM WITH PLAN AVP 2932-7602- [illegible] ADDED TO QUANTITY OF PC. #2 & 3.	J.	11/14/42
Ⓐ4	5⁴	H.M.M.	C.J.M. 12/26/42	IN GEN. NOTES ITEM #13 DELETED REF. #13, 18 & 25 REMOVED	J.	1/23/43
	7³	F.L.B.		GRAB ROD ADDED TO SPLINTER PROTECTION IN WAY OF TORPEDO STOWAGE.		
Ⓐ5	2'	E.S.S.	7/9/43	MADE APPLICABLE TO AVP 2930 ONLY.	J.	8/4/43

PRINTS ISSUED

DATE	X11	X11L	X17	X23	X31	X31 ORD.	X38	X41	X51	X51R	X56	X61	X68	X71	X74	X94	060	043	SCH 043	042M	042M	NCO	S.F.	WHRQ	USOS	USDO
11-22-41	4	2									7				1			1		2		1		1	2	1

HULL CORRECTED WORKING PLAN

AVP 2930 ONLY Ⓐ5

JOB ORDERS, WEIGHTS, ETC.

DESCRIPTION	JOB ORDER NO.	BILL OF MAT'L NO.	COST GROUP	WEIGHT GROUP	CALC. WEIGHT
LIFELINE & RAIL STANCHIONS	1202-01-3	1202-10-A	29	34	1993
STANDING & RUNNING RIGGING	1801-03-3	1202-10-B	43	48	752
				TOTAL	2745

AVP29-30

FORWARDED TO {BU. / BU. IN LET. NO. { DATED {
APPROVED BY {BU. / BU. IN LET. NO. { DATED {

PUGET SOUND NAVY YARD
INDUSTRIAL DEPARTMENT

SEAPLANE TENDERS (SMALL)
~~U.S.S. GASCO AVP 12 U.S.S. MACKINAC AVP 13~~

LIFELINE & RAIL STANCHIONS MAIN DECK - GEN. ARR.

SCALE 1/4" = 1'-0" PLAN NO. AVP1013-1202-10

DELINEATOR El Dobbie
TRACER
CHIEF DR'MN
CHECKER R.C. KIRK.
GROUP LEADER
SUPERVISOR
APPROVED
DESIGN SUPERINTENDENT
DATE 11-18-41
PLANNING OFFICER

VESSEL	HULL No.	SHIPBUILDER
AVP 29 U.S.S. ROCKAWAY	29	ASSOCIATED SHIPBUILDERS SEATTLE, WN.
AVP 30 U.S.S. SAN PABLO	30	
AVP 31 U.S.S. UNIMAK	31	
AVP 32 U.S.S. YAKUTAT	32	

Approved for AVP 29 to 32 incl.
1-12-42
E.M. Ragsdale
for Supervisor of Shipbuilding

BUREAU OF SHIPS NUMBER
BASIC ✓ 414 819-ALT-1-A-5

~~M.F.~~ FR. #52,

AVP29/S12-2

INDEXED

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